

| Effluent Characterization | | | | | | | | |
|--|--------------------|-------------------------------|-----------------|------------------|---------------------------|----------------------|-----------------------|---------------------------|
| Facility Name | Region Name | FDP Name | Latitude | Longitude | Effluent Char Date | Sample Method | Hardness, mg/L | Hardness < flag |
| Minto Explorations Limited - Minto Mine (Pelly Crossing, YT) | Pacific-Yukon | Mi.W3 - Runoff Main Water Dam | 49.37306 | -137.12111 | 2015-05-10 | Grab | 223 | |
| Minto Explorations Limited - Minto Mine (Pelly Crossing, YT) | Pacific-Yukon | Mi.W3 - Runoff Main Water Dam | 49.37306 | -137.12111 | 2015-06-15 | Grab | 305 | |
| Minto Explorations Limited - Minto Mine (Pelly Crossing, YT) | Pacific-Yukon | Mi.W3 - Runoff Main Water Dam | 49.37306 | -137.12111 | 2015-08-05 | Grab | 246 | |
| Minto Explorations Limited - Minto Mine (Pelly Crossing, YT) | Pacific-Yukon | Mi.W3 - Runoff Main Water Dam | 49.37306 | -137.12111 | 2015-10-13 | Grab | 252 | |

| Effluent Char Date | Hardness MDL, mg/L | Alkalinity, mg/L | Alkalinity < flag | Alkalinity MDL, mg/L | Aluminum, mg/L | Aluminum < flag | Aluminum MDL, mg/L |
|--------------------|--------------------|------------------|-------------------|----------------------|----------------|-----------------|--------------------|
| 2015-05-10 | 0.5 | 184 | | 0.5 | 0.0199 | | 0.003 |
| 2015-06-15 | 0.5 | 217 | | 0.5 | 0.567 | | 0.003 |
| 2015-08-05 | 0.5 | 224 | | 0.5 | 0.0099 | | 0.003 |
| 2015-10-13 | 0.5 | 222 | | 0.5 | 0.0076 | | 0.003 |

| Effluent Char Date | Cadmium, mg/L | Cadmium < flag | Cadmium MDL, mg/L | Iron, mg/L | Iron < flag | Iron MDL, mg/L | Mercury, mg/L | Mercury < flag |
|---------------------------|----------------------|--------------------------|--------------------------|-------------------|-----------------------|-----------------------|----------------------|--------------------------|
| 2015-05-10 | 0.00001 | < | 0.00001 | 0.061 | | 0.01 | 0.00001 | < |
| 2015-06-15 | 0.000018 | | 0.00001 | 0.877 | | 0.01 | 0.00001 | < |
| 2015-08-05 | 0.00001 | < | 0.00001 | 0.025 | | 0.01 | 0.00001 | < |
| 2015-10-13 | 0.00001 | < | 0.00001 | 0.036 | | 0.01 | 0.00001 | < |

| Effluent Char Date | Mercury MDL, mg/L | Molybdenum, mg/L | Molybdenum < flag | Molybdenum MDL, mg/L | Ammonia, mg/L | Ammonia < flag |
|--------------------|-------------------|------------------|-------------------|----------------------|---------------|----------------|
| 2015-05-10 | 0.00001 | 0.0059 | | 0.001 | 0.1 | |
| 2015-06-15 | 0.00001 | 0.0058 | | 0.001 | 0.025 | |
| 2015-08-05 | 0.00001 | 0.0045 | | 0.001 | 0.018 | |
| 2015-10-13 | 0.00001 | 0.0046 | | 0.001 | 0.028 | |

| Effluent Char Date | Ammonia MDL, mg/L | Nitrate, mg/L | Nitrate < flag | Nitrate MDL, mg/L | Selenium, mg/L | Selenium < flag | Selenium MDL, mg/L |
|--------------------|-------------------|---------------|----------------|-------------------|----------------|-----------------|--------------------|
| 2015-05-10 | 0.005 | 2.79 | | 0.02 | 0.00112 | | 0.0001 |
| 2015-06-15 | 0.005 | 0.365 | | 0.02 | 0.00037 | | 0.0001 |
| 2015-08-05 | 0.005 | 0.231 | | 0.02 | 0.00031 | | 0.0001 |
| 2015-10-13 | 0.005 | 0.187 | | 0.02 | 0.00037 | | 0.0001 |

| Effluent Char Date | Electrical Conductivity, $\mu\text{S/cm}$ | Electrical Conductivity < flag | Electrical Conductivity MDL, $\mu\text{S/cm}$ | Temperature, $^{\circ}\text{C}$ | Temperature < flag | Temperature MDL, $^{\circ}\text{C}$ |
|--------------------|---|--------------------------------|---|---------------------------------|--------------------|-------------------------------------|
| 2015-05-10 | 314.7 | | 1 | 2.6 | | |
| 2015-06-15 | 231.6 | | 1 | 5.4 | | |
| 2015-08-05 | 307.3 | | 1 | 1.1 | | |
| 2015-10-13 | 281.7 | | 1 | 0.5 | | |

Sublethal Toxicity Test LC50

| Facility Name | Region Name | FDP Name | Latitude | Longitude | LC50 Test Date | Species Test | Sublethal Test Type | Stimulation |
|--|---------------|-------------------------------|----------|------------|----------------|--------------------|---------------------|-------------|
| Minto Explorations Limited - Minto Mine (Pelly Crossing, YT) | Pacific-Yukon | Mi.W3 - Runoff Main Water Dam | 49.37306 | -137.12111 | 2015-10-13 | Ceriodaphnia dubia | Survival | No |

| LC50 Test Date | Sample Method | Consultant Laboratory | LC50 < Flag | LC50 | LC50 Lower | LC50 Upper | Notes |
|----------------|---------------|-----------------------------------|-------------|------|------------|------------|-------|
| 2015-10-13 | Grab | Maxxam subcontracted to Nautilus. | > | 100 | | | |

Sublethal Toxicity Test EC25 or IC25

| Facility Name | Region Name | FDP Name | Latitude | Longitude | Sample Date | Species Test | Sublethal Test Type | Stimulation |
|--|---------------------------------|-------------------------------|----------|------------|-------------|---------------------------------|-----------------------|-------------|
| Minto Explorations Limited - Minto Mine (Pelly Crossing, YT) | Oncorhynchus mykiss | Mi.W3 - Runoff Main Water Dam | 49.37306 | -137.12111 | 2015-10-05 | Oncorhynchus mykiss | Viability | |
| Minto Explorations Limited - Minto Mine (Pelly Crossing, YT) | Ceriodaphnia dubia | Mi.W3 - Runoff Main Water Dam | 49.37306 | -137.12111 | 2015-10-13 | Ceriodaphnia dubia | Reproduction | |
| Minto Explorations Limited - Minto Mine (Pelly Crossing, YT) | Pseudokirchneriella subcapitata | Mi.W3 - Runoff Main Water Dam | 49.37306 | -137.12111 | 2015-10-13 | Pseudokirchneriella subcapitata | Cell Yield | No |
| Minto Explorations Limited - Minto Mine (Pelly Crossing, YT) | Lemna minor | Mi.W3 - Runoff Main Water Dam | 49.37306 | -137.12111 | 2015-10-13 | Lemna minor | Growth (Frond Number) | No |
| Minto Explorations Limited - Minto Mine (Pelly Crossing, YT) | Lemna minor | Mi.W3 - Runoff Main Water Dam | 49.37306 | -137.12111 | 2015-10-13 | Lemna minor | Growth (Frond Weight) | No |

| Sample Date | Species Test | Sample Method | Consultant Laboratory | EC25 or IC25 < Flag | EC25 or IC25 | EC25 or IC25 Lower | EC25 or IC25 Upper | Notes |
|-------------|---------------------------------|---------------|-----------------------------------|---------------------|--------------|--------------------|--------------------|--|
| 2015-10-05 | Oncorhynchus mykiss | Grab | Maxxam subcontracted to Nautilus. | > | 100 | | | |
| 2015-10-13 | Ceriodaphnia dubia | Grab | Maxxam subcontracted to Nautilus. | > | 100 | | | |
| 2015-10-13 | Pseudokirchneriella subcapitata | Grab | Maxxam subcontracted to Nautilus. | > | 90.9 | | | LCL and UCL not listed in the analysis report. |
| 2015-10-13 | Lemna minor | Grab | Maxxam subcontracted to Nautilus. | > | 97 | | | |
| 2015-10-13 | Lemna minor | Grab | Maxxam subcontracted to Nautilus. | > | 97 | | | |

Water Quality Monitoring Exposure

| Facility Name | Region Name | FDP Name | Latitude | Longitude | Exposure Name | EEM Water Qual Mon Date | Type of Water Body |
|--|---------------|-------------------------------|----------|------------|-------------------------------------|-------------------------|--------------------|
| Minto Explorations Limited - Minto Mine (Pelly Crossing, YT) | Pacific-Yukon | Mi.W3 - Runoff Main Water Dam | 49.37306 | -137.12111 | Mi.W2.e - Minto Creek Exposure Site | 2015-05-09 | Fresh Water |
| Minto Explorations Limited - Minto Mine (Pelly Crossing, YT) | Pacific-Yukon | Mi.W3 - Runoff Main Water Dam | 49.37306 | -137.12111 | Mi.W2.e - Minto Creek Exposure Site | 2015-06-15 | Fresh Water |
| Minto Explorations Limited - Minto Mine (Pelly Crossing, YT) | Pacific-Yukon | Mi.W3 - Runoff Main Water Dam | 49.37306 | -137.12111 | Mi.W2.e - Minto Creek Exposure Site | 2015-08-13 | Fresh Water |
| Minto Explorations Limited - Minto Mine (Pelly Crossing, YT) | Pacific-Yukon | Mi.W3 - Runoff Main Water Dam | 49.37306 | -137.12111 | Mi.W2.e - Minto Creek Exposure Site | 2015-10-05 | Fresh Water |

| EEM Water Qual Mon Date | Hardness, mg/L | Hardness < flag | Hardness MDL, mg/L | Alkalinity, mg/L | Alkalinity < flag | Alkalinity MDL, mg/L |
|-------------------------|----------------|-----------------|--------------------|------------------|-------------------|----------------------|
| 2015-05-09 | 115 | | 0.5 | 85.3 | | 0.5 |
| 2015-06-15 | 172 | | 0.5 | 154 | | 0.5 |
| 2015-08-13 | 176 | | 0.5 | 164 | | 0.5 |
| 2015-10-05 | 178 | | 0.5 | 165 | | 0.5 |

| EEM Water Qual Mon Date | Aluminum, mg/L | Aluminum < flag | Aluminum MDL, mg/L | Cadmium, mg/L | Cadmium < flag | Cadmium MDL, mg/L |
|-------------------------|----------------|-----------------|--------------------|---------------|----------------|-------------------|
| 2015-05-09 | 2.89 | | 0.003 | 0.000054 | | 0.00001 |
| 2015-06-15 | 0.0203 | | 0.003 | 0.00001 | < | 0.00001 |
| 2015-08-13 | 0.0576 | | 0.003 | 0.00001 | < | 0.00001 |
| 2015-10-05 | 0.0067 | | 0.003 | 0.00001 | < | 0.00001 |

| EEM Water Qual Mon Date | Iron, mg/L | Iron < flag | Iron MDL, mg/L | Mercury, mg/L | Mercury < flag | Mercury MDL, mg/L | Molybdenum, mg/L |
|-------------------------|------------|-------------|----------------|---------------|----------------|-------------------|------------------|
| 2015-05-09 | 5.33 | | 0.01 | 0.00001 | < | 0.00001 | 0.0015 |
| 2015-06-15 | 0.069 | | 0.01 | 0.00001 | < | 0.00001 | 0.0015 |
| 2015-08-13 | 0.207 | | 0.01 | 0.00001 | < | 0.00001 | 0.0016 |
| 2015-10-05 | 0.065 | | 0.01 | 0.00001 | < | 0.00001 | 0.0014 |

| EEM Water Qual Mon Date | Molybdenum < flag | Molybdenum MDL, mg/L | Ammonia, mg/L | Ammonia < flag | Ammonia MDL, mg/L | Nitrate, mg/L | Nitrate < flag |
|-------------------------|-------------------|----------------------|---------------|----------------|-------------------|---------------|----------------|
| 2015-05-09 | | 0.001 | 0.028 | | 0.005 | 0.452 | |
| 2015-06-15 | | 0.001 | 0.03 | | 0.005 | 0.181 | |
| 2015-08-13 | | 0.001 | 0.039 | | 0.005 | 0.052 | |
| 2015-10-05 | | 0.001 | 0.013 | | 0.005 | 0.086 | |

| EEM Water Qual Mon Date | Nitrate MDL, mg/L | Arsenic, mg/L | Arsenic < flag | Arsenic MDL, mg/L | Copper, mg/L | Copper < flag | Copper MDL, mg/L |
|-------------------------|-------------------|---------------|----------------|-------------------|--------------|---------------|------------------|
| 2015-05-09 | 0.02 | 0.00234 | | 0.0001 | 0.0165 | | 0.0005 |
| 2015-06-15 | 0.02 | 0.00039 | | 0.0001 | 0.00221 | | 0.0005 |
| 2015-08-13 | 0.02 | 0.00055 | | 0.0001 | 0.00237 | | 0.0005 |
| 2015-10-05 | 0.02 | 0.00043 | | 0.0001 | 0.00153 | | 0.0005 |

| EEM Water Qual Mon Date | Cyanide, mg/L | Cyanide < flag | Cyanide MDL, mg/L | Lead, mg/L | Lead < flag | Lead MDL, mg/L | Nickel, mg/L | Nickel < flag |
|-------------------------|---------------|----------------|-------------------|------------|-------------|----------------|--------------|---------------|
| 2015-05-09 | | | | 0.00154 | | 0.0002 | 0.0069 | |
| 2015-06-15 | | | | 0.0002 | < | 0.0002 | 0.001 | < |
| 2015-08-13 | | | | 0.0002 | < | 0.0002 | 0.001 | |
| 2015-10-05 | | | | 0.0002 | < | 0.0002 | 0.001 | < |

| EEM Water Qual Mon Date | Nickel MDL, mg/L | Zinc, mg/L | Zinc < flag | Zinc MDL, mg/L | TSS, mg/L | TSS < flag | TSS MDL, mg/L | Radium226, Bq/L |
|-------------------------|------------------|------------|-------------|----------------|-----------|------------|---------------|-----------------|
| 2015-05-09 | 0.001 | 0.0132 | | 0.005 | 150 | | 1 | |
| 2015-06-15 | 0.001 | 0.005 | < | 0.005 | 1.3 | | 1 | |
| 2015-08-13 | 0.001 | 0.005 | < | 0.005 | 2.6 | | 1 | |
| 2015-10-05 | 0.001 | 0.005 | < | 0.005 | 1 | < | 1 | |

| EEM Water Qual Mon Date | Radium226 < flag | Radium226 MDL, Bq/L | pH | Water Temperature, °C | Water Temperature < flag | Water Temperature MDL, °C |
|--------------------------------|----------------------------|----------------------------|-----------|------------------------------|------------------------------------|----------------------------------|
| 2015-05-09 | | | 7.6 | 2.5 | | |
| 2015-06-15 | | | 7.87 | 6.5 | | |
| 2015-08-13 | | | 8.09 | 6.7 | | |
| 2015-10-05 | | | 7.92 | 0 | | |

| EEM Water Qual Mon Date | Dissolved Oxygen, mg/L | Dissolved Oxygen < flag | Dissolved Oxygen MDL, mg/L | Salinity, ppt | Salinity < flag | Salinity MDL, ppt | Selenium, mg/L |
|-------------------------|------------------------|-------------------------|----------------------------|---------------|-----------------|-------------------|----------------|
| 2015-05-09 | 14.29 | | | | | | 0.00042 |
| 2015-06-15 | 10.82 | | | | | | 0.0001 |
| 2015-08-13 | 11.59 | | | | | | 0.0001 |
| 2015-10-05 | 14.49 | | | | | | 0.0001 |

| EEM Water Qual Mon Date | Selenium < flag | Selenium MDL, mg/L | Electrical Conductivity, μ S/cm | Electrical Conductivity < flag | Electrical Conductivity MDL, μ S/cm | Calcium, mg/L | Calcium < flag |
|-------------------------|-----------------|--------------------|-------------------------------------|--------------------------------|---|---------------|----------------|
| 2015-05-09 | | 0.0001 | 121.4 | | 1 | | |
| 2015-06-15 | < | 0.0001 | 223.9 | | 1 | | |
| 2015-08-13 | < | 0.0001 | 223.4 | | 1 | | |
| 2015-10-05 | < | 0.0001 | 183.9 | | 1 | | |

Water Quality Monitoring Reference

| Facility Name | Region Name | FDP Name | Latitude | Longitude | ReferenceName | EEM Water Qual Mon Date | Type of Water Body |
|--|---------------|-------------------------------|----------|------------|-------------------------------|-------------------------|--------------------|
| Minto Explorations Limited - Minto Mine (Pelly Crossing, YT) | Pacific-Yukon | Mi.W3 - Runoff Main Water Dam | 49.37306 | -137.12111 | Mi.W7.r - Reference Tributary | 2015-05-31 | Fresh Water |
| Minto Explorations Limited - Minto Mine (Pelly Crossing, YT) | Pacific-Yukon | Mi.W3 - Runoff Main Water Dam | 49.37306 | -137.12111 | Mi.W7.r - Reference Tributary | 2015-07-11 | Fresh Water |
| Minto Explorations Limited - Minto Mine (Pelly Crossing, YT) | Pacific-Yukon | Mi.W3 - Runoff Main Water Dam | 49.37306 | -137.12111 | Mi.W7.r - Reference Tributary | 2015-08-21 | Fresh Water |
| Minto Explorations Limited - Minto Mine (Pelly Crossing, YT) | Pacific-Yukon | Mi.W3 - Runoff Main Water Dam | 49.37306 | -137.12111 | Mi.W7.r - Reference Tributary | 2015-10-15 | Fresh Water |

| EEM Water Qual Mon Date | Hardness, mg/L | Hardness < flag | Hardness MDL, mg/L | Alkalinity, mg/L | Alkalinity < flag | Alkalinity MDL, mg/L | Aluminum, mg/L |
|----------------------------|----------------|-----------------|-----------------------|------------------|-------------------|----------------------|----------------|
| 2015-05-31 | 104 | | 0.5 | 100 | | 0.5 | 0.246 |
| 2015-07-11 | 145 | | 0.5 | 143 | | 0.5 | 0.533 |
| 2015-08-21 | 164 | | 0.5 | 140 | | 0.5 | 0.0737 |
| 2015-10-15 | 154 | | 0.5 | 138 | | 0.5 | 0.0969 |

| EEM Water Qual Mon Date | Aluminum < flag | Aluminum MDL, mg/L | Cadmium, mg/L | Cadmium < flag | Cadmium MDL, mg/L | Iron, mg/L | Iron < flag |
|------------------------------------|---------------------------|---------------------------|----------------------|--------------------------|--------------------------|-------------------|-----------------------|
| 2015-05-31 | | 0.003 | 0.00001 | < | 0.00001 | 0.503 | |
| 2015-07-11 | | 0.003 | 0.000011 | | 0.00001 | 0.946 | |
| 2015-08-21 | | 0.003 | 0.00001 | < | 0.00001 | 0.287 | |
| 2015-10-15 | | 0.003 | 0.00001 | < | 0.00001 | 0.268 | |

| EEM Water Qual Mon Date | Iron MDL, mg/L | Mercury, mg/L | Mercury < flag | Mercury MDL, mg/L | Molybdenum, mg/L | Molybdenum < flag |
|----------------------------|----------------|---------------|----------------|-------------------|------------------|-------------------|
| 2015-05-31 | 0.005 | 0.00001 | < | 0.00001 | 0.0013 | |
| 2015-07-11 | 0.005 | 0.00001 | < | 0.00001 | 0.0015 | |
| 2015-08-21 | 0.005 | 0.00001 | < | 0.00001 | 0.0019 | |
| 2015-10-15 | 0.005 | 0.00001 | < | 0.00001 | 0.0014 | |

| EEM Water Qual Mon Date | Molybdenum MDL, mg/L | Ammonia, mg/L | Ammonia < flag | Ammonia MDL, mg/L | Nitrate, mg/L | Nitrate < flag | Nitrate MDL, mg/L |
|----------------------------|-------------------------|---------------|----------------|----------------------|---------------|----------------|-------------------|
| 2015-05-31 | 0.0001 | 0.014 | | 0.005 | 0.029 | | 0.1 |
| 2015-07-11 | 0.0001 | 0.039 | | 0.005 | 0.196 | | 0.1 |
| 2015-08-21 | 0.0001 | 0.043 | | 0.005 | 0.106 | | 0.1 |
| 2015-10-15 | 0.0001 | 0.038 | | 0.005 | 0.112 | | 0.1 |

| EEM Water Qual Mon Date | Arsenic, mg/L | Arsenic < flag | Arsenic MDL, mg/L | Copper, mg/L | Copper < flag | Copper MDL, mg/L | Cyanide, mg/L |
|------------------------------------|----------------------|--------------------------|--------------------------|---------------------|-------------------------|-------------------------|----------------------|
| 2015-05-31 | 0.00051 | | 0.0001 | 0.00354 | | 0.0002 | |
| 2015-07-11 | 0.00061 | | 0.0001 | 0.00339 | | 0.0002 | |
| 2015-08-21 | 0.00062 | | 0.0001 | 0.00179 | | 0.0002 | |
| 2015-10-15 | 0.00041 | | 0.0001 | 0.00161 | | 0.0002 | |

| EEM Water Qual Mon Date | Cyanide < flag | Cyanide MDL, mg/L | Lead, mg/L | Lead < flag | Lead MDL, mg/L | Nickel, mg/L | Nickel < flag | Nickel MDL, mg/L |
|----------------------------|----------------|-------------------|------------|-------------|----------------|--------------|---------------|------------------|
| 2015-05-31 | | | 0.0002 | < | 0.0002 | 0.0014 | | 0.001 |
| 2015-07-11 | | | 0.00027 | | 0.0002 | 0.0023 | | 0.001 |
| 2015-08-21 | | | 0.0002 | < | 0.0002 | 0.0014 | | 0.001 |
| 2015-10-15 | | | 0.0002 | < | 0.0002 | 0.001 | | 0.001 |

| EEM Water Qual Mon Date | Zinc, mg/L | Zinc < flag | Zinc MDL, mg/L | TSS, mg/L | TSS < flag | TSS MDL, mg/L | Radium226, Bq/L | Radium226 < flag |
|----------------------------|------------|-------------|----------------|-----------|------------|---------------|-----------------|------------------|
| 2015-05-31 | 0.005 | < | 0.005 | 36.4 | | 1 | | |
| 2015-07-11 | 0.005 | < | 0.005 | 38.4 | | 1 | | |
| 2015-08-21 | 0.005 | < | 0.005 | 161 | | 1 | | |
| 2015-10-15 | 0.005 | < | 0.005 | 4.1 | | 1 | | |

| EEM Water Qual Mon Date | Radium226 MDL, Bq/L | pH | Water Temperature, °C | Water Temperature < flag | Water Temperature MDL, °C | Dissolved Oxygen, mg/L | Dissolved Oxygen < flag |
|-------------------------|---------------------|------|-----------------------|--------------------------|---------------------------|------------------------|-------------------------|
| 2015-05-31 | | 7.51 | 0 | | | 13.25 | |
| 2015-07-11 | | 7.67 | 1.2 | | | 10.67 | |
| 2015-08-21 | | 7.85 | 3 | | | 11.79 | |
| 2015-10-15 | | 7.53 | 0 | | | 12.3 | |

| EEM Water Qual Mon Date | Dissolved Oxygen MDL, mg/L | Salinity, ppt | Salinity < flag | Salinity MDL, ppt | Selenium, mg/L | Selenium < flag | Selenium MDL, mg/L |
|------------------------------------|---------------------------------------|----------------------|---------------------------|--------------------------|-----------------------|---------------------------|-------------------------------|
| 2015-05-31 | | | | | 0.0001 | | 0.0005 |
| 2015-07-11 | | | | | 0.00014 | | 0.0005 |
| 2015-08-21 | | | | | 0.00016 | | 0.0005 |
| 2015-10-15 | | | | | 0.0001 | | 0.0005 |

| EEM Water Qual Mon Date | Electrical Conductivity, µS/cm | Electrical Conductivity < flag | Electrical Conductivity MDL, µS/cm | Calcium, mg/L | Calcium < flag | Calcium MDL, mg/L | Chloride, mg/L |
|----------------------------|--------------------------------------|-----------------------------------|--|---------------|----------------|-------------------|----------------|
| 2015-05-31 | 108.8 | | 0.1 | | | | |
| 2015-07-11 | 166.8 | | 0.1 | | | | |
| 2015-08-21 | 161.4 | | 0.1 | | | | |
| 2015-10-15 | 151.9 | | 0.1 | | | | |



View Annual Report

Facility: Minto Explorations Limited - Minto Mine (Pelly Crossing, YT)
Final Discharge Point: Mi.W3 - Runoff Main Water Dam
Reporting Period: 2015
Facility Name on Submission: Minto Explorations Limited - Minto Mine (Pelly Crossing, YT)
Submission Date: 2016-03-01 02:25:10 (UTC-0)
Submission Tracking ID: PYmmSCC469-2016-03-01-02-25-10-47955

Facility Information

Mine Name: Minto Explorations Limited - Minto Mine (Pelly Crossing, YT)
Mine Operator: Capstone Mining Corporation
Address: Suite 2100-510 West Georgia Street, Vancouver, BC, V6B 0M3
Telephone: 604-759-4659
E-mail: jasmind@mintomine.com

Location of Final Discharge Point

Name: Mi.W3 - Runoff Main Water Dam
Latitude: 49° 22' 23" N
Longitude: 137° 7' 16" W

Monthly Mean Concentrations, pH Range and Volume of Effluent (Generated)

| Month | As (mg/L) | Cu (mg/L) | CN (mg/L) | Pb (mg/L) | Ni (mg/L) | Zn (mg/L) | TSS (mg/L) | Ra 226 (Bq/L) | Lowest pH | Highest pH | Effluent Volume (m ³) |
|-----------|--------------|--------------|--------------|--------------|--------------|--------------|---------------|------------------|--------------|---------------|---|
| January | 0.000246 | 0.002402 | NMR | 0.0001 | 0.00064 | 0.0025 | 2 | NMR | 8.04 | 8.29 | 11160 |
| February | 0.00027 | 0.00265 | NMR | 0.0001 | 0.00125 | 0.0025 | 1.1 | NMR | 7.88 | 8.19 | 5264 |
| March | 0.00022 | 0.003366 | NMR | 0.0001 | 0.00102 | 0.04284 | 0.5 | 0.005 | 7.88 | 8.45 | 6355 |
| April | 0.000433 | 0.0169 | NMR | 0.000248 | 0.0005 | 0.0053 | 5.175 | 0.005 | 8.11 | 8.22 | 218220 |
| May | 0.000402 | 0.015988 | NMR | 0.0001 | 0.00064 | 0.0052 | 4.04 | NMR | 8.06 | 8.24 | 156116 |
| June | 0.000302 | 0.006272 | NMR | 0.000136 | 0.00076 | 0.01226 | 2.92 | NMR | 8.15 | 8.32 | 9720 |
| July | 0.000268 | 0.002548 | NMR | 0.0001 | 0.0005 | 0.0025 | 2.45 | NMR | 8.16 | 8.31 | 10071 |
| August | 0.00029 | 0.003144 | NMR | 0.0001 | 0.00064 | 0.0025 | 1.32 | 0.005 | 8.04 | 8.34 | 10513 |
| September | 0.000285 | 0.00348 | NMR | 0.0001 | 0.00065 | 0.0025 | 4.525 | NMR | 8.27 | 8.43 | 10109 |
| October | 0.00025 | 0.002425 | NMR | 0.0001 | 0.0005 | 0.0025 | 0.5 | 0.005 | 8.12 | 8.38 | 10447 |
| November | 0.000235 | 0.002425 | NMR | 0.0001 | 0.0005 | 0.0025 | 0.5 | NMR | 8.15 | 8.42 | 10230 |
| December | 0.000233 | 0.002415 | NMR | 0.0001 | 0.001475 | 0.005675 | 3.175 | NMR | 8.1 | 8.46 | 9920 |

Results of Acute Lethality Tests and Daphnia magna Monitoring Tests (Generated)

| Date Sample Collected | Results for Rainbow Trout Acute Lethality Tests (mean percentage mortality in 100% effluent test concentration) | Results for Daphnia magna Monitoring Tests (mean percentage mortality in 100% effluent test concentration) |
|-----------------------|--|---|
| 2015-03-09 | 0 | 0 |
| 2015-03-09 | | |
| 2015-06-22 | 0 | 0 |
| 2015-08-31 | 0 | 0 |
| 2015-10-05 | | 0 |
| 2015-10-05 | | |
| 2015-10-05 | 0 | |

2015-10-05

Non-Compliance Information

If effluent was non-compliant with the authorized limits set out in Schedule 4, indicate the cause(s) of non-compliance and remedial measures planned or implemented in response to the failure of acute lethality tests.

Notes:

Date Modified: 2014-03-27